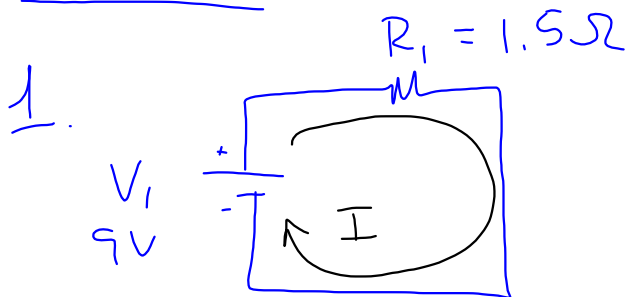
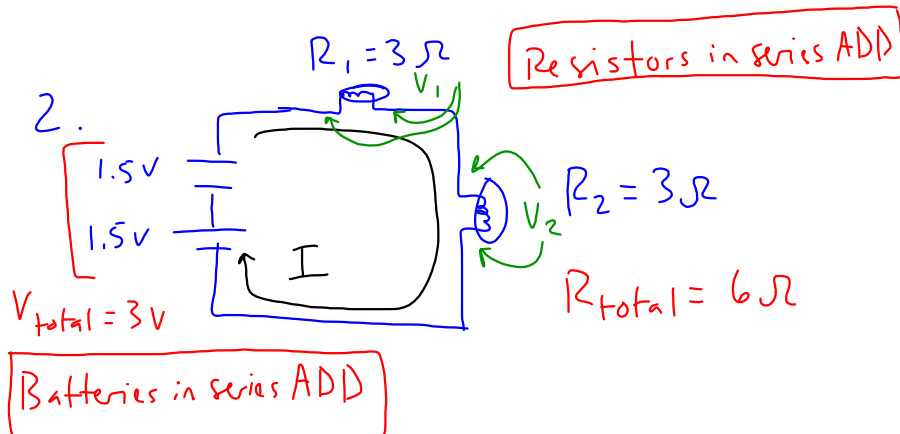


Draw!

$$V_1 = IR_1$$

$$I = \frac{V_1}{R_1} = \frac{9V}{1.5\Omega} = 6A$$



$$V_{total} = IR_{total}$$

$$I = \frac{V_{total}}{R_{total}}$$

$$= \frac{3V}{6\Omega}$$

$$= 0.5A$$

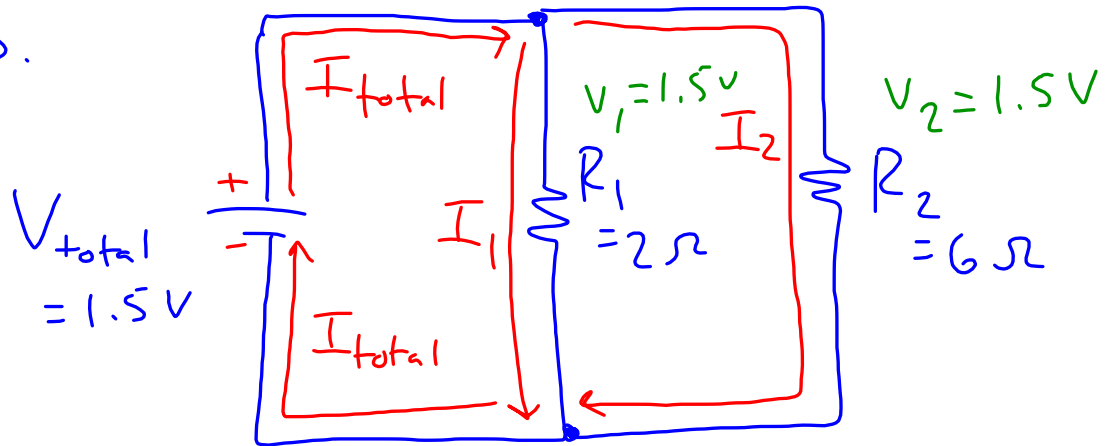
 $V_1 :$

$$\begin{aligned} V_1 &= IR_1 \\ &= (0.5A)(3\Omega) \\ &= 1.5V \end{aligned}$$

 $V_2 :$

$$\begin{aligned} V_2 &= IR_2 \\ &= (0.5A)(3\Omega) \\ &= 1.5V \end{aligned}$$

3.



$$I_1 = \frac{V_1}{R_1}$$
$$= \frac{1.5V}{2\Omega}$$

$$= 0.75A$$

$$I_2 = \frac{V_2}{R_2}$$
$$= \frac{1.5V}{6\Omega}$$
$$= 0.25A$$

$$I_{total} = I_1 + I_2$$

$$= 0.75A + 0.25A$$

$$= 1.00A$$

4.

